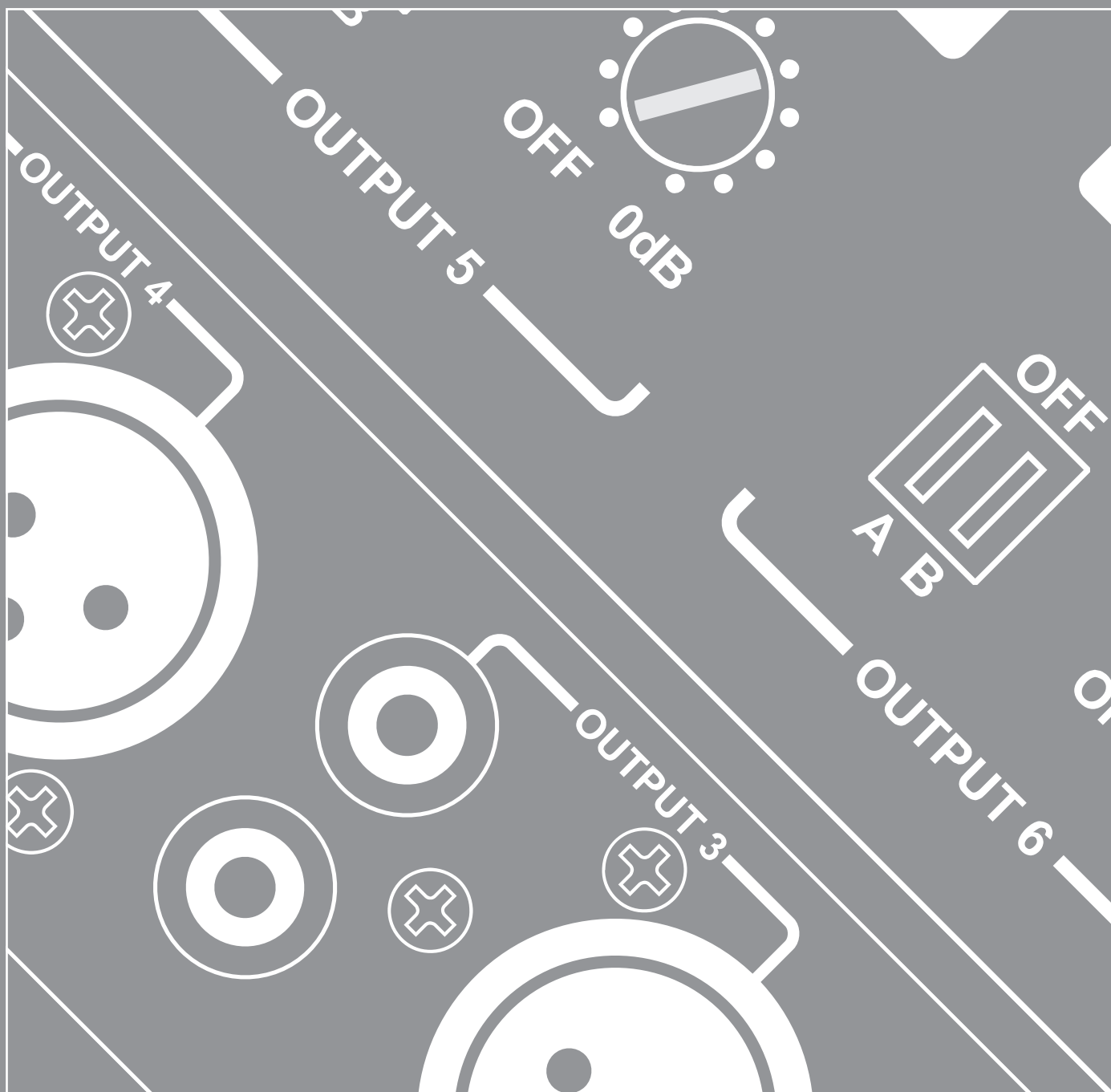




Australian Monitor
INSTALLATION SERIES

AMIS26

2 INPUT, 6 OUTPUT DISTRIBUTION AMPLIFIER
INSTALLATION AND OPERATION MANUAL





IMPORTANT SAFETY INFORMATION



1. Save the carton and packing material even if the equipment has arrived in good condition. Should you ever need to ship the unit, use only the original factory packing.
2. Read all documentation before operating your equipment. Retain all documentation for future reference.
3. Follow all instructions printed on unit chassis for proper operation.
4. Do not spill water or other liquids into or on the unit, or operate the unit while standing in liquid.
5. Make sure power outlets conform to the power requirements listed on the back of the unit.
6. Do not use the unit if the electrical power cord is frayed or broken. The power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.
7. Always operate the unit with the AC ground wire connected to the electrical system ground. Precautions should be taken so that the means of grounding of a piece of equipment is not defeated.
8. Mains voltage must be correct and the same as that printed on the rear of the unit. Damage caused by connection to improper AC voltage is not covered by any warranty.
9. Have gain controls on amplifiers turned down during power-up to prevent speaker damage if there are high signal levels at the inputs.
10. Power down & disconnect units from mains voltage before making connections.
11. Never hold a power switch in the "ON" position if it won't stay there itself!
12. Do not use the unit near stoves, heat registers, radiators, or other heat producing devices.
13. Do not block fan intake or exhaust ports. Do not operate equipment on a surface or in an environment which may impede the normal flow of air around the unit, such as a bed, rug, weathersheet, carpet, or completely enclosed rack. If the unit is used in an extremely dusty or smoky environment, the unit should be periodically "blown free" of foreign matter.
14. Do not remove the cover. Removing the cover will expose you to potentially dangerous voltages. There are no user serviceable parts inside.
15. Do not drive the inputs with a signal level greater than that required to drive equipment to full output.
16. Do not connect the inputs / outputs of amplifiers or consoles to any other voltage source, such as a battery, mains source, or power supply, regardless of whether the amplifier or console is turned on or off.
17. Do not run the output of any amplifier channel back into another channel's input. Do not parallel- or series-connect an amplifier output with any other amplifier output.

Australian Monitor Inc is not responsible for damage to loudspeakers for any reason.
18. Do not ground any red ("hot") terminal. Never connect a "hot" (red) output to ground or to another "hot" (red) output!
19. Non-use periods. The power cord of equipment should be unplugged from the outlet when left unused for a long period of time.
20. Service Information Equipment should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged.
 - B. Objects have fallen, or liquid has been spilled into the equipment
 - C. The equipment has been exposed to rain
 - D. The equipment does not appear to operate normally, or exhibits a marked change in performance
 - E. The equipment has been dropped, or the enclosure damaged.

THIS SAFETY INFORMATION IS OF A GENERAL NATURE AND MAY BE SUPERSEDED BY INSTRUCTIONS CONTAINED WITHIN THIS MANUAL

INTRODUCTION AND CONTENTS

The Australian Monitor Installation Series AMIS26 is a high quality 2 input, 6 output distribution amplifier.

The AMIS26's 2 inputs can be balanced or unbalanced and each input's sensitivity can be switched between Mic and Line level. 15VDC Phantom power is individually switchable per input and for ease of setup, a four segment LED level meter is provided per input.

Each of the AMIS26's inputs is individually assignable to any of the 6 outputs via front panel DIP switches. Outputs can be balanced or unbalanced and feature up to 30dB of attenuation, so they can be run as any combination of line level or mic level outputs. Ample label space is provided for both inputs and outputs and the AMIS26 is powered via a supplied 20VAC power supply.

The AMIS26 provides a low noise, feature packed, signal routing solution to cover a wide range of installation needs at a contractor friendly price.

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AUS, EUR, USA

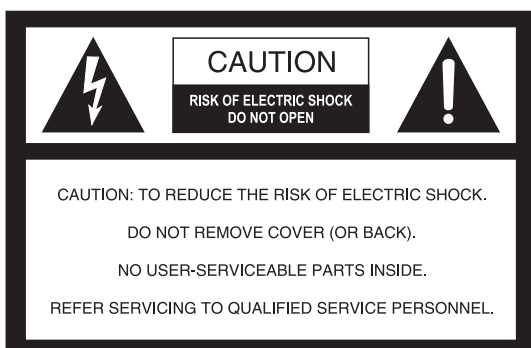
Copyright 3rd Dec 2003

Rev A: 3rd Dec 2003

Rev B: 11th Aug 2004

Rev C: 22nd Feb 2005

Rev D: 1st June 2005



WARNING !

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK.
DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

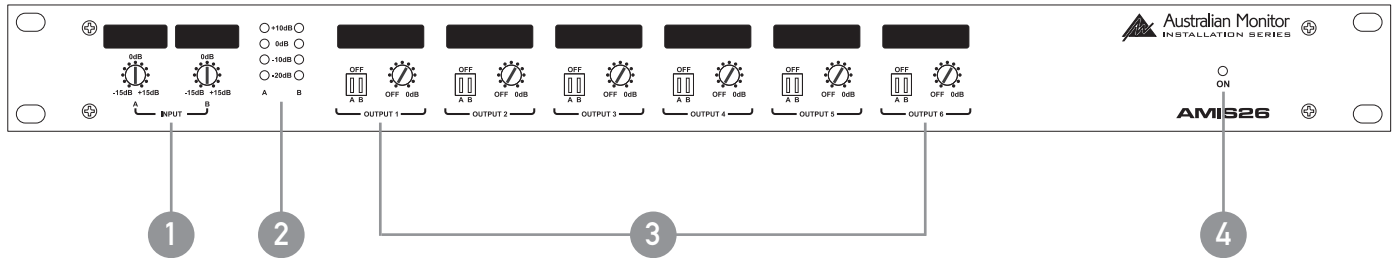


This symbol is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.

Caution:

To prevent electric shock do not use this (polarised) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure. To prevent electric shock, match wide blade of plug to wide slot, fully insert.

FRONT PANEL



1 INPUT LEVEL CONTROL(S)

The input level controls are screwdriver adjustable trim pots. The input level controls can boost or cut the input signal by up to 15dB.

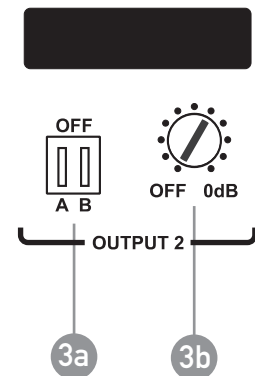
2 LEVEL METER

These 4 segment LED meters show the strength of each of the AMIS26's input signals. LED segments are calibrated to the following level markings and show the following colours:

- 20dBu (green)
- 10dBu (green)
- 0dBu (yellow)
- +10dBu (red)

4 POWER LED

This blue LED indicates the unit is powered "on".



3 OUTPUT SECTION

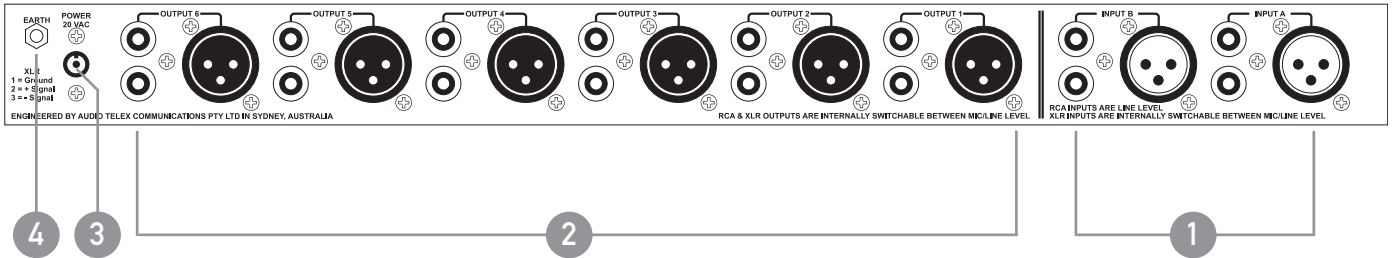
3a INPUT ASSIGN SWITCHES

These recessed DIP switches assign input A and input B to a desired output.

3b OUTPUT LEVEL CONTROLS

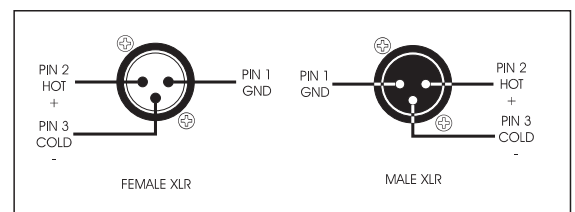
The output level controls are screwdriver adjustable trim pots. These level controls attenuate the output level, with a range from -60dB at 'Minimum' position to 0dB at "Maximum" position.

REAR PANEL



1 INPUT A/B CONNECTORS

The balanced XLR inputs can be used as Mic or Line level inputs and are switched between input sensitivities via internal DIP switches accessed through the lid (see internal adjustments section page 6). The dual RCA inputs are Line level inputs only and are internally summed to mono.



2 OUTPUT CONNECTORS

The AMIS26's outputs can be either balanced XLR or unbalanced dual RCA's. Both these outputs can be switched between Mic level & Line level via internal DIP switches accessed through the lid (see internal adjustments section page 6).

3 20VAC POWER CONNECTOR

This 2.1mm connector accepts power from the provided 20VAC power supply.

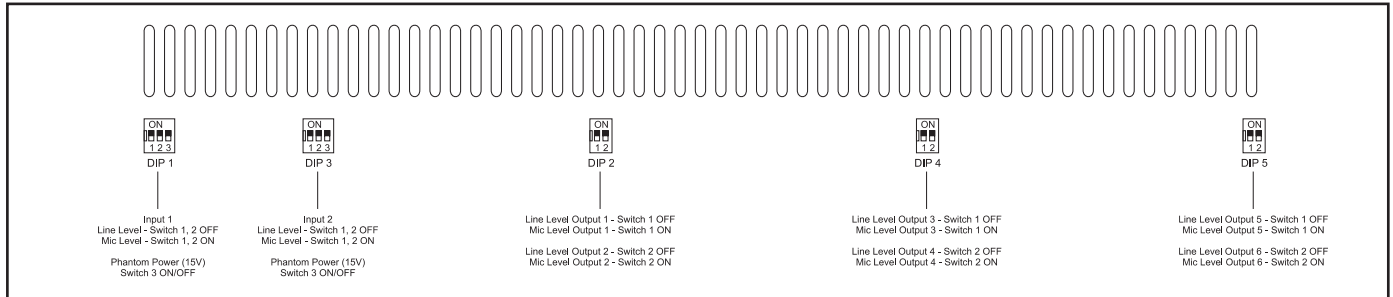
4 EARTH STUD

In some circumstances it may be necessary to ground the unit to eliminate noise in the system. This can be done by using this earth stud.

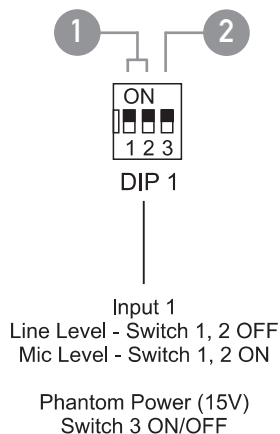


NOTE: This stud provides a connection to chassis ground. Audio ground is internally tied to chassis ground.

INTERNAL ADJUSTMENT



NOTE: The following adjustments involve access to the inside of the AMIS26 and should only be attempted by a qualified technician. All internal adjustments are accessible through the lid of the AMIS26. Always turn off the AC power and remove the AC power cord before accessing the inside of the AMIS26.

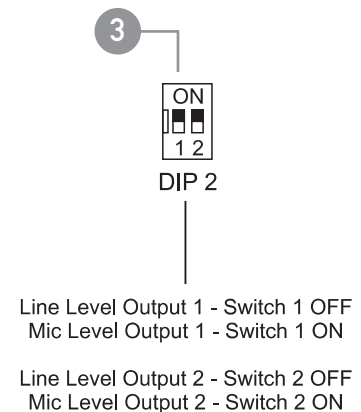


- 1 INPUT SENSITIVITY DIP SWITCHES.** DIP1 (INPUT A), DIP3 (INPUT B) SWITCHES 1, 2
Switches 1 and 2 on this 3 pole DIP switch when selected to the “on” position will switch the balanced XLR input to Mic level. The “off” position will switch the balanced XLR input to Line level. The Default setting is Line level.

NOTE: This switch does not effect the sensitivity of the unbalanced dual RCA input.

- 2 PHANTOM POWER SWITCH.** DIP1 (INPUT A), DIP3 (INPUT B) SWITCH 3
This switch will enable 15VDC phantom power to the desired input. The default setting is “off”.

NOTE: Before switching Phantom power on please ensure that no line level source equipment is connected to the effected input.



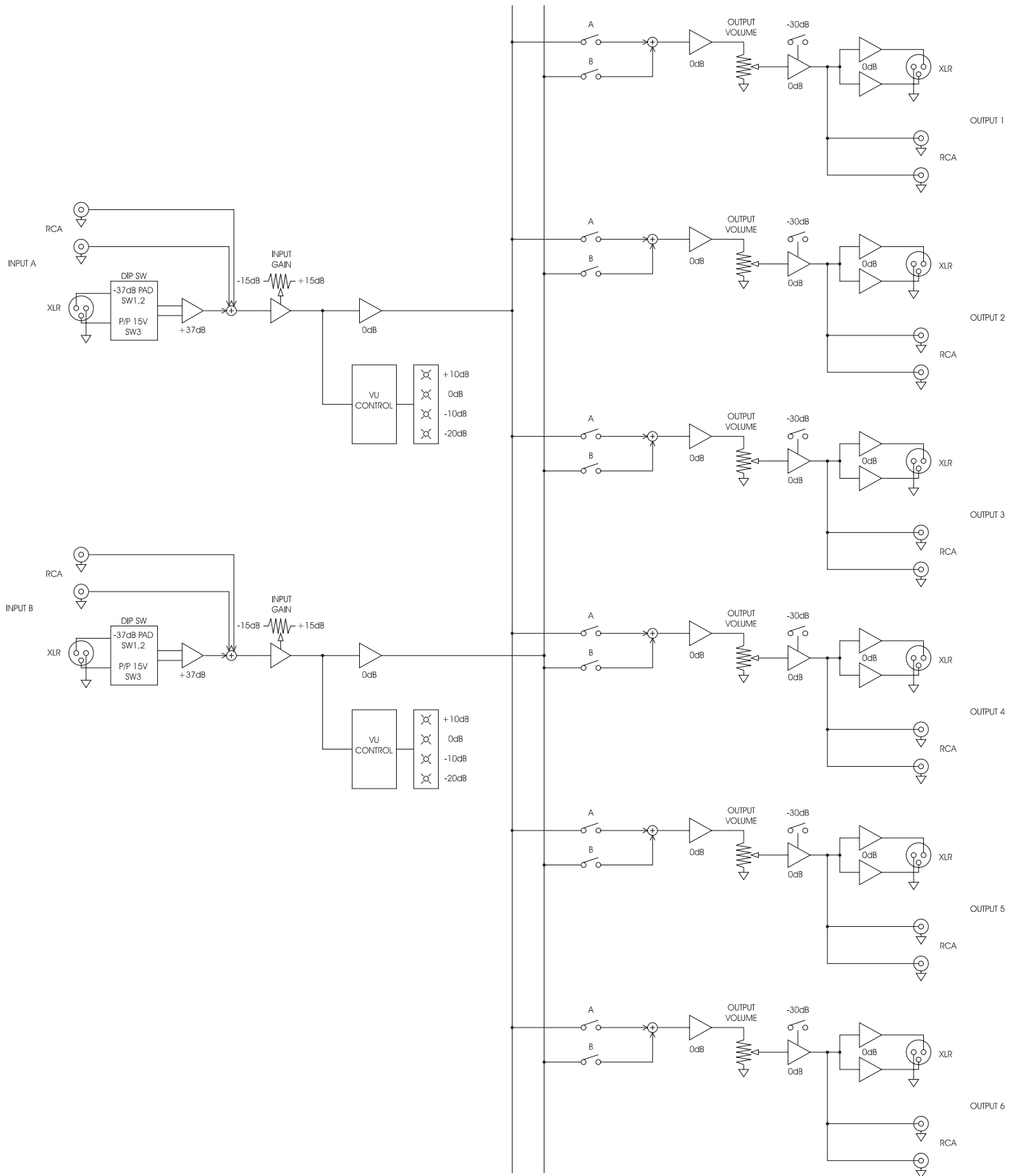
- 3 OUTPUT LEVEL DIP SWITCH.**

DIP 2 Switch 1 (OUTPUT 1)
DIP 2 Switch 2 (OUTPUT 2)
DIP 4 Switch 1 (OUTPUT 3)
DIP 4 Switch 2 (OUTPUT 4)
DIP 5 Switch 1 (OUTPUT 5)
DIP 5 Switch 2 (OUTPUT 6)

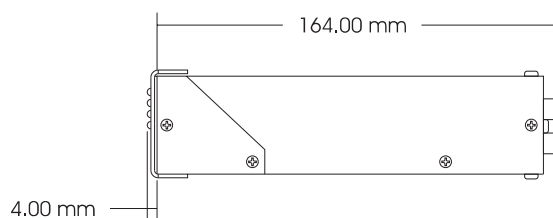
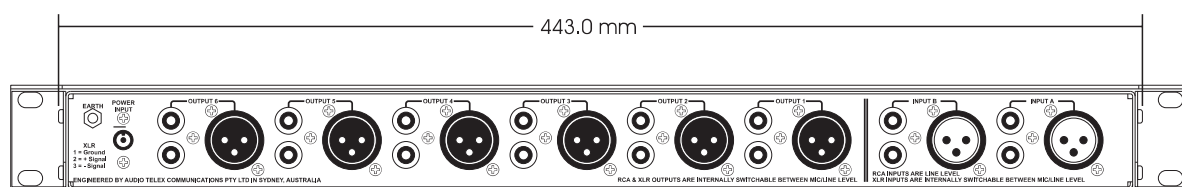
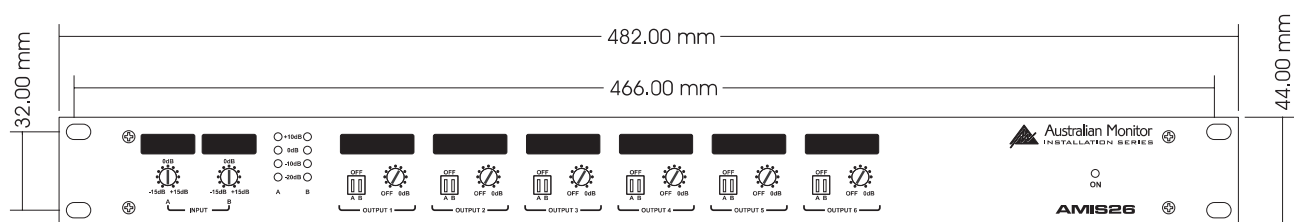
This switch will change the output sensitivity of the desired output from Mic to Line level. When the switch is “on” the output level will be switched to Mic level.

NOTE: This switch effects both balanced XLR & dual RCA outputs.

BLOCK DIAGRAM



DIMENSIONS



SPECIFICATIONS

DIMENSIONS (h x w x d)	44.0 x 482.0 x 168.0 mm 1.73"x19.0"x6.61"
SHIPPING DIMENSIONS (h x w x d)	500 x 90.0 x 270.0 mm 3.55"x19.7"x10.6"
WEIGHT	Net 2.5kg Shipping 3.0kg Net 5.5lb Shipping 6.6lb
POWER INPUT	20VAC 12VA max
SENSITIVITY (FOR 0dBu OUT)	
LINE (XLR)	775mV (0dB)
MIC (XLR)	10mV (-37dB)
LINE (RCA)	775mV (0dB)
OUTPUT MIC/LINE GAIN SWITCH	30dB

FREQUENCY RESPONSE (0DB/-3DB)	10Hz - 50kHz
THD	Line In (XLR/RCA) 0.02% Mic In (XLR) 0.1%
NOISE	-89dB
CROSSTALK	Better than 80dB
PHANTOM POWER	15VDC
MAX IN/OUT(HEADROOM)	15dB

All measurements referenced to 0dBu (0.775mV)

All measurements done with levels set In/Out at 0dB

AUSTRALIA AND NEW ZEALAND

www.australianmonitor.com.au

SYDNEY

(NSW & ACT SALES)

149 Beaconsfield
Street Silverwater
NSW 2128
Private Bag 149
Silverwater NSW 1811
Phone: (02) 9647 1411
Fax: (02) 9648 3698
Email:
nsw@audiotelex.com.au

MELBOURNE

(VIC & TAS SALES)

22/277
Middleborough Road
Box Hill VIC 3128
PO Box 151 Blackburn
South VIC 3130
Phone: (03) 9890 7477
Fax: (03) 9890 7977
Email:
vic@audiotelex.com.au

BRISBANE

(QLD SALES)

42 Commercial Road
Fortitude Valley
QLD 4006
PO Box 871 Fortitude
Valley QLD 4006
Phone: (07) 3852 1312
Fax: (07) 3252 1237
Email:
qld@audiotelex.com.au

ADELAIDE

(SA & NT SALES)

31 Walsh Street
Thebarton
SA 5031
PO Box 157
Hindmarsh SA 5007
Phone: (08) 8352 4444
Fax: (08) 8352 4488
Email:
sa@audiotelex.com.au

PERTH

(WA SALES)

299 Fitzgerald Street
West Perth WA 6005
PO Box 404
North Perth
WA 6906
Phone: (08) 9228 4222
Fax: (08) 9228 4233
Email:
wa@audiotelex.com.au

AUCKLAND

(NZ SALES)

Unit B, 11 Piermark
Drive Albany 1331
New Zealand
PO Box 512
Albany 1331
Phone: (09) 415 9426
Fax: (09) 415 9864
Email:
sales@audiotelex.co.nz

EUROPE/ASIA/MIDDLE EAST

www.australianmonitor.com.au

INTERNATIONAL SALES

149 Beaconsfield Street Silverwater NSW 2128 Australia
Private Bag 149 Silverwater NSW 1811
Phone: 61 2 9647 1411
Fax: 61 2 9648 3698
Email: international@audiotelex.com.au

USA/SOUTH AMERICA

www.australianmonitor.com

SENNHEISER ELECTRONIC CORPORATION

1 Enterprise Drive
Old Lyme CT 06371 USA
Phone: 1 860 434 9190
Fax: 1 860 434 1759
Email: jalexander@sennheiserusa.com